



PENTAX Imaging Company
600 12th Street, Ste 300
Golden, Colorado 80401
USA 1-800-877-0155

Visit us at:

- [pentaximaging.com](#)
- [pentaxphotogallery.com](#)
- [pentaxsportoptics.com](#)

CAMERA SPECIFICATIONS

Type	Type: Interline interface CCD with primary color filter and integrated Shake/Dust Reduction sensor movement system Size: 23.5 x 15.7mm Color depth: 8 bits/channel JPG, 12 bits/channel RAW Effective pixels: 10.2 MP Total pixels: 10.75 MP Recorded resolutions: 10M (3872x2592), 6M (3008x2000), 2M (1824x1216) Quality levels: ★★★ (Best), ★★ (Better), ★ (Good) Dust Removal: Image sensor movement combined with SP coating, Dust Alert available
Lens Mount	Type/construction: PENTAX KAF2 bayonet stainless steel mount Usable lenses: PENTAX KAF3, KAF2, KAF, and KA (K mount, 35mm screwmount, 645/67 med format usable w/adaptor and/or restrictions) SDM function: YES Power zoom function: n/a
Focus System	Type: TTL phase-matching 5 point wide autofocus system (SAFOX) Focus modes: AF Auto, AF Single (w/ focus lock), AF Continuous (available in Action mode, including Auto Picture Action, Kids, Pet, Stage Lighting, and Night Snap modes, P/AS/M/B/Sv) Manual Focus point adjustment: Wide, Spot AF assist: YES, via built-in flash
Viewfinder	Type: Penta-Mirror Coverage (field of view): Approx. 98% Magnification: Approx. 0.85X (w/50mm f/1.4 at infinity) Standard focusing screen: Natural-Bright-Matte II Diopter adjustment: -2.5 to 1.5 Depth of field preview: Digital (available as a custom function linked to Help Button)
LCD Monitor	Type: 2.7 inch TFT color LCD monitor, adjustable brightness Resolution: 230,000 dots Wide-angle viewable: YES
Built-In Flash	Type: Retractable P-TTL auto/manual popup flash Guide number: 11 (100m) Coverage: 28mm wide angle (equivalent to 35mm) Flash modes: On, off, redeye, wireless Flash exposure compensation: -2 to 1 EV in 1/2 steps
External Flash	Type: Hot shoe (P-TTL, high-speed sync available), wireless with PENTAX dedicated flash Synchronization speed: 1/180s
Storage Media	Internal memory: n/a Removable memory: SD, SDHC
Interfaces	Ports: USB 2.0 hi-speed, video out Video out: NTSC, PAL Printer interfaces: PictBridge
Power Supply	Power source: 4 AA (lithium, NiMH, alkaline) Recordable images: Approx. 1850 normal or 1000 with 50% flash use (lithium) Playback time: Approx. 750 (lithium) AC adapter available: YES (optional)

Physical Specifications	Body dimensions (W x H x D): 4.8 inch x 3.6 inch x 2.7 inch Body weight Without battery or removable memory: 18.5 oz Loaded and ready: 20.8 oz (lithium) Construction material(s): Fiber-reinforced plastic polymer covers around a rugged stainless steel chassis Operating temperature: 32–104°F
Language Support	English, French, German, Spanish, Swedish, Dutch, Italian, Russian, Portuguese, Danish, Finnish, Polish, Czech, Hungarian, Turkish, Greek, Japanese, Korean, Traditional/ Simplified Chinese

FLASH SPECIFICATIONS

Type	Clip-on-type P-TTL auto flash
Flash Control	TTL-series-control auto flash, Manual flash
Flash Modes	P-TTL (TTL corrective auto flash, contrast-control auto flash) TTL (TTL auto flash) FULL (manual flash)
Discharge Angles	70° horizontally (78° with wide-angle panel) 53° vertically (60° with wide-angle panel)
Focal-length Coverage	28mm equivalent (24mm equivalent with wide-angle panel)
Guide Number	20 max. (at ISO100/m), Manual setting : Full 28 max. (at ISO200/m), Manual setting : Full
Flash Range	2.3-11.8 feet (GN20, ISO100, f/5.6)
Flash Interval and Battery Life	Approx. 4-second interval, approx. 300 full-level discharges (with alkaline batteries) Approx. 4-second interval, approx. 450 full-level discharges (with lithium batteries) Approx. 4-second interval, approx. 400 full-level discharges (with Ni-MH batteries)

Color Temperature Balance	Daylight
Synchronization Modes	Leading-shutter-curtain sync
Other Functions	Auto power-off, Test discharge Flash exposure compensation (-0.5Ev, -1Ev)
Power Source	4 AA batteries (lithium, NiMH, alkaline)
Dimensions (H x W x D)	2.7 inch x 3.3 inch x 3.7 inch
Weight	190g (6.8oz) without batteries

IMAGE CAPTURE

Image Stabilization	Type: Body-based, sensor shift Shake Reduction (4 stops max.)
Metering System	Type: TTL open aperture, 16 segment metering Sensitivity range: EV 0–21 (ISO 100, 50mm f/1.4) Multi-segment: YES, 16 segments Center weighted: YES Spot: YES Exposure compensation: +/- 2 EV (1/2 or 1/3 steps) Exposure lock: YES (available as a custom function linked to focus lock) Exposure bracketing: YES, 3 frames, up to +/- 1.5 (1/2 steps) or +/- 1.0 (1/3 steps)
ISO Sensitivity	Auto: 100–3200 ISO (1, 1/2, 1/3 EV steps), up to 1600 ISO in Bulb mode Manual: 100–3200 ISO (1, 1/2, 1/3 EV steps), up to 1600 ISO in Bulb mode
White Balance*	Auto preset modes: Auto, Daylight, Shade, Cloudy, Fluorescent (D, N, W), Tungsten, Flash Manual mode(s): YES *WB fine adjustment available
Shutter	Type: Electronically controlled, vertical run, focal plane shutter Shutter speed: 1/4000 to 30 sec, Bulb available
Capture Modes	Mode selection: Auto Picture (Portrait, Night Portrait, Landscape, Macro, Action), Picture (Portrait, Landscape, Macro, Action, Night Scene Portrait, Standard Flash Off), Scene (Night Scene, Surf & Snow, Foot, Sunset, Kids, Pet, Candlelight, Museum, Stage Lighting [2M JPG], Night Snap [2M JPG]), Program, Sensitivity Priority, Shutter Priority, Aperture Priority, Metered Manual, Bulb (available in Metered Manual) Green simplified mode available: n/a P/AS/M/B: P, A, S, M extended modes include Sv, Bulb available in Metered Manual Date stamp: n/a Digital filters (capture): Toy Camera, High Contrast, Soft, Starburst, Retro, Color Extract (6), Custom Image Modes include: Bright, Natural, Portrait, Landscape, Vibrant, and Monochrome modes. Color Custom Image Modes include gamut radar and fine adjustment for saturation, hue, contrast, and sharpness. Monochrome Custom Image Mode includes adjustment for film filter effects (green, yellow, orange, red, magenta, blue, cyan, infrared), toning (sepia warm/cool), contrast, and sharpness (regular and fine adj. scales). Data record: Folder Name (standard, date)
Drive Modes	Mode selection: Single, Continuous (Hi, Lo), Self-Timer (12s, 2s), Remote (0s, 3s), Auto Bracket Continuous FPS: Approx. 3.5 FPS max (5 JPG and Continuous Hi, 4 RAW) Approx. - 1.1 FPS (unlimited JPG and Continuous Lo, 7 RAW) Self-timer: YES (12s, 2s) Remote control: YES, infrared (0s, 3s)
Playback Modes	Mode selection: One shot, index (4, 9, or 16 thumbnails, select & delete available), magnification (quick-zoom available), image comparison, image rotation, folder view, calendar, slideshow, histogram, bright/dark indication, resize, trimming, protect, DPOF, digital filter, RAW to JPG, Index Magnification: Up to 16X, scrollable Digital filters (playback): Toy Camera, High Contrast, Soft (5), Starburst, Retro, Color Extract, Illustration (Pastel, Watercolor), HDR (3), B&W, Sepia, Color (18), Slim (+/- 8), Brightness (+/- 8), Custom
File Formats	Still: RAW PEF/DNG, JPG (EXIF 2.21), DCF 2.0 (design rule for camera file system), DPOF, Print Image Matching III
Custom Functions	Functions available: 22

File Storage (Based on 1GB Memory) JPG			
	★★★	★★	★
10M (3872x2592)	231	343	586
6M (3008x2000)	387	570	974
2M (1824x1216)	902	1549	2627

RAW			
10M (3872x2592)	58		

Computer System Requirements	For device connectivity. Bundled software requirements may vary. Windows: Windows XP/Vista, USB port Mac: Mac OS-X 10.3 or later, USB 2.0 port
------------------------------	--

Kit Inclusions	K2000, DA f. 18-55 lens, AF200FG flash, USB cable (USB-7, strap O-ST04, hot shoe cover FK, eyecup FG, body mount cover, software CD-ROM S-SW84, AA lithium batteries (4)
----------------	--

Optional Accessories	AC Adapter Kit K-AC84U, Video Cable (V-C28, Remote Control F, Finder Cap for ME, Magnifying Eyepiece O-ME53 (1.2x), DSLR Gadget Bag, DSLR Sling Bag, DSLR Leather Hand Strap
----------------------	--



PENTAX, K2000 and smc PENTAX are trademarks of HOYA CORPORATION. PENTAX PHOTO Browser, PENTAX PHOTO Laboratory and SDM are trademarks of HOYA CORPORATION. ©2008 HOYA CORPORATION. All rights reserved. SDHC logo is a trademark. This product supports PRINT Image Matching III. PRINT Image Matching-enabled digital still cameras, printers and software help photographers to produce images more faithful to their intentions. Some functions are not available on printers that are not PRINT Image Matching III compliant. Copyright 2001 Seiko Epson Corporation. All rights reserved. PRINT Image Matching is a trademark of Seiko Epson Corporation. The PRINT Image Matching logo is a trademark of Seiko Epson Corporation. This product includes DNG technology under license by Adobe Systems Incorporated. The DNG logo is either a registered trademark or trademark of Adobe Systems Incorporated in the United States and/or other countries. Macintosh and Mac OS are trademarks of Apple Inc., registered in the U.S. and other countries. Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and other countries. Windows Vista is a registered trademark of Microsoft Corporation in the United States and/or other countries. All other brands or product names are trademarks or registered trademarks of their respective companies. Designs and specifications are subject to change without notice. LCD images are simulated. It is strongly recommended that you read the entire operation manual before operating these digital cameras.



K2000

The PENTAX K2000's compact design and ease-of-use make it the perfect choice for anyone looking to make the transition to digital SLR photography. One of the smallest DSLR cameras on the market, the K2000's ergonomic design makes for easy one-handed operation. It also features a wide range of advanced technologies, including a sophisticated Shake Reduction system and the PENTAX-developed Auto Picture mode. Powerful learning tools like a built-in function guide and a dedicated **Help Button** means that in addition to producing better prints, the K2000 will also help make you a better photographer.



(All cameras shown full size)

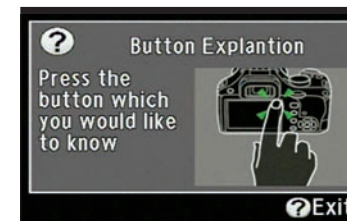
High resolution 10.2 megapixel CCD sensor produces crisp, high resolution images. It lets you see the smallest details, crop to perfect your composition, and print enlargements without taking up all the free space on your hard drive or memory card.



Up to 3.5 frames per second capture rate means the K2000 is able to capture fast-moving action. Whether you use it at a fast-paced sporting event or for chasing a speeding toddler, you'll be better able to get the perfect shot.



Large 2.7 inch LCD screen is the perfect blend of size and resolution for ideal picture review. The screen's brightness is adjustable for different lighting conditions, and the screen is viewable from a wide angle—up to 170°—so everyone in the group can gather around to review your images.



Dedicated, reprogrammable Help Button is like having a built-in, always at the ready user's guide. It explains the current camera function and setting, guiding you to learn more about photography. It's the ideal tool for helping to ease the transition from point-and-shoot to DSLR photography.

PENTAX Shake Reduction system helps deliver sharp, blur-free images. Utilizing a free-floating image sensor, the K2000 compensates for the tiny movements your hand makes when taking a picture. Shutter speeds can be 2.5 to 4 stops lower and still capture sharp images. It is particularly helpful in **SR Shake Reduction** low light situations, such as when shooting indoors without a flash, or outdoors at dawn, dusk or nighttime. And it works with every PENTAX SLR lens ever manufactured.



Shake Reduction on



Shake Reduction off



Auto Picture mode analyzes what you're taking a picture of, then automatically sets the proper shooting mode. Don't worry if your image is an action shot, portrait, landscape, macro shot, or a night scene. Simply set it to Auto Picture and start shooting. As you learn more about photography, you can take more control and set the picture modes yourself.

